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 Yasushi Saito, Svend Frølund, Alistair Veitch, Arif Merchant, Susan Spence  
 October 2004 **Proceedings of the 11th international conference on Architectural support for programming languages and operating systems**, Volume 32 , 38 ,  
 39 Issue 5 , 5 , 11

 Full text available: [pdf\(671.67 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

This paper describes the design, implementation, and evaluation of a Federated Array of Bricks (FAB), a distributed disk array that provides the reliability of traditional enterprise arrays with lower cost and better scalability. FAB is built from a collection of *bricks*, small storage appliances containing commodity disks, CPU, NVRAM, and network interface cards. FAB deploys a new majority-voting-based algorithm to replicate or erasure-code logical blocks across bricks and a reconfigurati ...

**Keywords:** consensus, disk array, erasure coding, replication, storage, voting

- 2 [Utilization of departmental computing GRID system for development of an artificial intelligent tapping inspection method. tapping sound analysis](#)  
 Seung Jo Kim, Joon-Seok Hwang, Chang Sung Lee, Sangsan Lee  
 November 2002 **Proceedings of the 2002 ACM/IEEE conference on Supercomputing**

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Tapping Sound Analysis is a new NDE method, which determines the existence of subsurface defects by comparing the tapping sound of test structure and original healthy structure. The tapping sound of original healthy structure is named sound print of the structure and is obtained through high precision computation. Because many tapping points are required to obtain the exact sound print data, many times of tapping sound simulation are required. The simulation of tapping sound requires complicated ...

- 3 [Notes on constructing a parallel computing platform](#)

Jodie Kok, Elizabeth Elzinga, Greg Wolffe

 October 2001 **Journal of Computing Sciences in Colleges**, Volume 17 Issue 1

 Full text available: [pdf\(42.72 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Parallel computing is an interesting and important topic that spans several different areas of the computer science curriculum, such as networking, architecture and programming. With



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